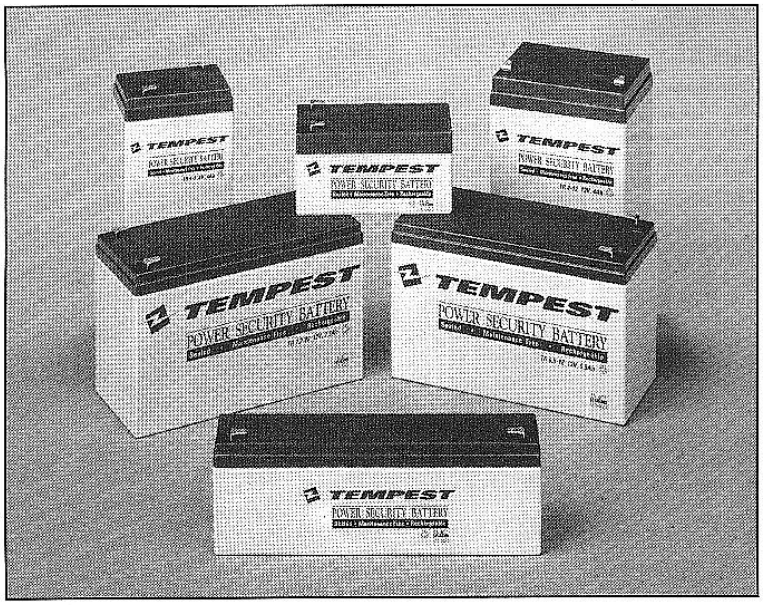
Jameco Part number 155344

TEMPEST
POWER SECURITY BATTERY



Dealer/Installer Selection Guide

Security Control Panels · Emergency Lighting

Fire Systems · Uninterruptible Power Systems

Jameco Part number 155344

TEMPEST [redacted] **Specifications**

MAINTENANCE FREE SEALED LEAD-ACID RECHARGEABLE BATTERIES

BATTERY TYPE	NOMINAL VOLTAGE (V)	(Ah) 20 HR 1.75V/CELL	CHARGING VOLTAGE STAND BY USE (V)	CHARGING VOLTAGE CYCLIC USE (V)	INTERNAL RESISTANCE APPROX m	DIMENSION (mm/inch) LENGTH	WIDTH	HEIGHT	TOTAL HEIGHT	WEIGHT APPROX (kg/lbs)	TERMINAL
TR 1.2-6	6	1.2			60	97/3.82	25/0.98	50.5/1.99	54/2.13	0.3/0.66	
TR 4-6	6	4	✓		20	70/2.76	47/1.85	98/3.86	101/3.98	0.87/1.92	
TR 6-6	6	6			15	151/5.94	34/1.34	94/3.7	97.5/3.84	1.3/2.87	FASTON 187 SERIES
TR 8-6	6	8	6.75 to 6.9V at 20° C (68° F)	7.2 to 7.5V at 20° C (68° F)	15	151/5.94	50/1.97	94/3.7	97.5/3.84	1.8/3.97	
TR 8-6A	6	8			15	98/3.86	56/2.20	118/4.65	118/4.65	1.5/3.3	
TR 9.5-6	6	10			7	108/4.25	70/2.76	140/5.52	140/5.52	1.96/4.32	AUTOMOTIVE PLUG W/FUSE
TR 10-6	6	10			7	151/5.94	50/1.97	94/3.7	97.5/3.84	2.0/4.41	
TR 1.2-12	12	1.2			120	97/3.82	47.5/1.87	50.5/1.99	54/2.13	0.57/1.26	
TR 1.9-12	12	1.9			60	178/7.01	34/1.34	60/2.36	64/2.52	0.83/1.83	
TR 2.9-12	12	2.9			50	79/3.11	55.5/2.19	98.5/3.88	102/4.02	1.1/2.43	FASTON 187 SERIES
TR 4-12	12	4	✓		40	90/3.54	70/2.76	102/4.02	105.5/4.15	1.7/3.75	
TR 6.5-12	12	6.5			30	151/5.94	65/2.56	94/3.70	97.5/3.84	2.5/5.62	
TR 7.2-12	12	7.2	✓		30	151/5.94	65/2.56	94/3.70	97.5/3.84	2.7/5.93	
TR 12-12	12	12			15	151/5.94	98/3.86	94/3.70	97.5/3.84	4.0/8.82	FASTON 250 SERIES
TR 15-12	12	15			13	181/7.13	76/2.99	167/6.57	167/6.57	6.0/13.23	
TR 18-12	12	18			11	181/7.13	76/2.99	167/6.57	167/6.57	6.2/13.67	
TR 24-12	12	24	13.5 to 13.8V at 20° C (68° F)	14.4 to 15V at 20° C (68° F)	10	166/6.54	175/6.89	125/4.92	125/4.92	8.7/19.2	
TR 30-12	12	30			9	192/7.56	132/5.20	170/6.69	170/6.69	11.5/25.4	
TR 40-12	12	40			8	197/7.76	165/6.50	170/6.69	170/6.69	14.0/30.9	BOLT-NUT
TR 65-12	12	65			5	350/13.78	166/6.54	174/6.85	174/6.85	22.5/49.6	
TR 100-12	12	108			3.5	443/17.44	167/6.57	204/8.03	227/8.98	40/88.2	
TR 150-12	12	161			2.7	520/20.47	269/10.59	203/7.99	230/9.06	58/127.9	
TR 200-12	12	215			2.4	520/20.47	269/10.59	230/7.99	230/9.06	73.5/162	

CROSS REFERENCE BY MANUFACTURER

TEMPEST	YUASA	POWERSONIC	JOHNSON CONTROLS	GS	PANASONIC	EAGLE-PICHER
TR 1.2-6	NP1.2-6	PS-612	JC612	PE6V1.2	LCR6V1.3P[1]	—
TR 4-6	NP4-6	PS-640	JC640	PE6V4 F1	LCR6V4P	CF6V4
TR 6-6	NP7-6[1]	PS-670[1]	JC665[1]	PE6V6.5[1]	LCR6V6.5P/BP[1]	CFM6V6.5[1]
TR 8-6	NP8-6	—	—	—	—	CF6V8
TR 8-6A	—	PS-682	—	PE6V8	—	—
TR 9.5-6	—	PS-695	—	—	—	CF6V9[1]
TR 10-6	NP10-6	PS-6100	JC6100	PE6V10	LCR6V10P/BP	CFM6V10
TR 1.2-12	NP1.2-12	PS-1212	—	PE12V1.2[2]	LCR12V1.3P[1]	CF12V1[1,2]
TR 1.9-12	NP2.3-12[1]	PS-1220[1]	JC1219	PE12V1.9	LCR12V2.2P[1]	CF12V1.5[1]
TR 2.9-12	—	—	—	PE12V2.7 F1[1]	—	—
TR 4-12	NP4-12	PS-1242	—	—	LCR12V4PF[2]	CF12V4[2]
TR 6.5-12	NP7-12[1]	PS-1270[1]	JC1260[1]	PE12V6.5	LCR12V6.5P/BP	CFM12V6.5
TR 7.2-12	NP7-12[1]	PS-1270[1]	JC1260[1]	PX12V7.2	LCR12V7.2BP	CFM12V6.5[1]
TR 12-12	—	PS-12120	—	—	—	CFM12V12[2]
TR 15-12	NPG18-12[1]	PS-12170[1]	JC12150	PE12V15	LCR12V17BP[1]	CF12V15[2]
TR 18-12	NPG18-12	PS-12170[1]	JC12150[1]	PE12V15[1]	LCR12V17BP[1]	CFM12V18[2]
TR 24-12	NP24-12	PS-12260[1,2]	JC12250[1,2]	PE12V24A	LCL12V24P[2]	CF12V20[1,2]
TR 30-12	—	PS-12330[1,2]	—	—	LCL12V33P[2]	CF12V30[1,2]
TR 40-12	NP38-12[1]	PS-12400	—	PE12V40A[2]	LCL12V38P[1]	—
TR 65-12	NP65-12	—	—	—	LCL12V65P	—
TR 100-12	—	—	—	—	LCL12V100P[2]	—
TR 150-12	—	—	—	—	—	—
TR 200-12	—	—	—	—	—	—

[1] Differs in capacity. [2] Indicates physical dimensions differ slightly.

Jameco Part number 155344

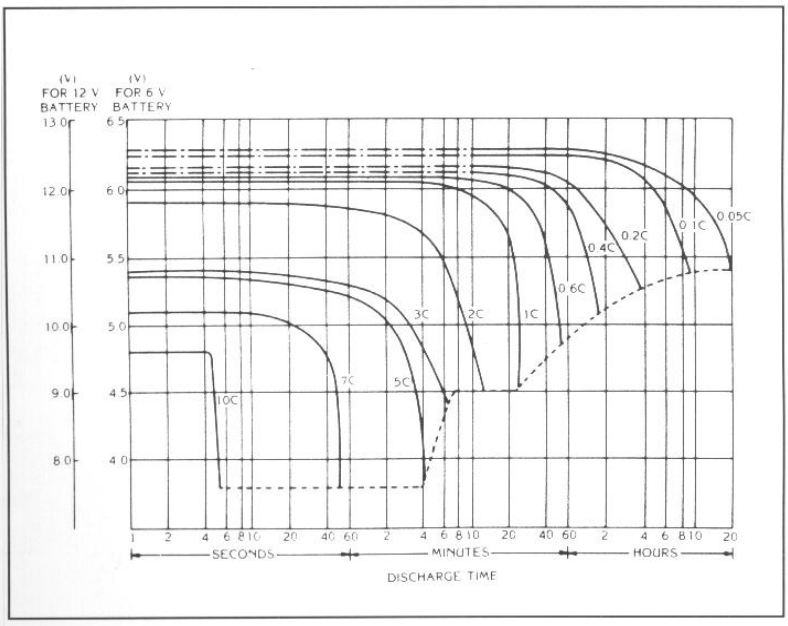
Battery Selection Guide

This chart may be used to determine your battery capacity requirement in Amp hours (Ah). To determine the capacity required, specify the discharge time and the current required. Find the discharge time required at the top of the chart. Follow this column down to find your discharge current (in amps). Then follow that line across to find the amp hour battery needed. *(For example, if you need an 8 hr. discharge time, and you have a load of 0.82 amps, you should select the 7.2Ah battery.)*

DISCHARGE TIME															
	Minutes				Hours										
CURRENT IN AMPS	10	20	30	40	1	1.5	2	3	4	5	8	10	15	20	BATTERY NEEDED
	2.66	1.62	1.20	0.99	0.72	0.56	0.43	0.30	0.24	0.18	0.14	0.11	0.08	0.06	**1.2Ah**
	4.22	2.57	1.90	1.57	1.14	0.89	0.68	0.48	0.38	0.28	0.22	0.18	0.12	0.10	**1.9Ah**
	6.44	3.92	2.90	2.39	1.74	1.35	1.04	0.73	0.58	0.43	0.33	0.27	0.18	0.15	**2.9Ah**
	8.88	5.40	4.00	3.30	2.40	1.87	1.44	1.00	0.80	0.59	0.46	0.37	0.25	0.20	**4.0Ah**
	13.32	8.10	6.00	4.95	3.60	2.80	2.16	1.50	1.20	0.89	0.68	0.56	0.38	0.30	**6.0Ah**
	14.43	8.78	6.50	5.36	3.90	3.03	2.34	1.63	1.30	0.96	0.74	0.60	0.41	0.33	**6.5Ah**
	15.98	9.72	7.20	5.94	4.32	3.36	2.59	1.80	1.44	1.07	**0.82**	0.67	0.46	0.36	**7.2Ah**
	17.76	10.80	8.00	6.60	4.80	3.73	2.88	2.00	1.60	1.19	0.91	0.74	0.51	0.40	**8.0Ah**
	22.20	13.50	10.00	8.25	6.00	4.67	3.60	2.50	2.00	1.48	1.14	0.93	0.63	0.50	**10Ah**
	26.64	16.20	12.00	9.90	7.20	5.60	4.32	3.00	2.40	1.78	1.37	1.12	0.76	0.60	**12Ah**
	33.30	20.25	15.00	12.37	9.00	7.00	5.40	3.75	3.00	2.23	1.71	1.40	0.95	0.75	**15Ah**
	39.96	24.30	18.00	14.85	10.80	8.40	6.48	4.50	3.60	2.67	2.05	1.67	1.14	0.90	**18Ah**
	53.28	32.40	24.00	19.80	14.40	11.20	8.64	6.00	4.80	3.56	2.73	2.23	1.52	1.20	**24Ah**
	66.60	40.50	30.00	24.75	18.00	14.00	10.80	7.50	6.00	4.45	3.41	2.79	1.90	1.50	**30Ah**
	88.80	54.00	40.00	33.00	24.00	18.67	14.40	10.00	8.00	5.93	4.55	3.72	2.53	2.00	**40Ah**
	144.30	87.75	65.00	53.62	39.00	30.33	23.40	16.25	13.00	9.64	7.39	6.05	4.12	3.25	**65Ah**
	239.76	145.80	108.00	89.10	64.80	50.40	38.88	27.00	21.60	16.02	12.29	10.04	6.84	5.40	**100Ah**
	357.42	217.35	161.00	132.82	96.60	75.13	57.96	40.25	32.20	23.88	18.31	14.97	10.20	8.05	**150Ah**
	477.30	290.25	215.00	177.37	129.00	100.33	77.40	53.75	43.00	31.89	24.46	20.00	13.62	10.75	**200Ah**

Note: if you do not find the exact time or current on this chart, move up to the next higher value.

Discharge



Discharge Characteristics

The curves shown illustrate the typical discharge features of Tempest batteries at an ambient temperature of 20°C (68°F). The symbol "C" expresses the nominal capacity of the battery measured at a 20-hour discharge rate. The standard industry practice to determine the nominal capacity of a maintenance free sealed lead-acid battery is to discharge a battery at a 20-hour rate to final voltage of 1.75 volts per cell.

Temperature Characteristics

As the ambient temperature rises, available capacity of a battery increases and as the ambient temperature lowers the capacity decreases.

TEMPEST